

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/008321

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61M1/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 061 256 A (WAMPLER RICHARD K) 29 October 1991 (1991-10-29) column 3, line 51 - column 4, line 9; figure 2	1-3,5-9
A	EP 0 916 359 A (IMPELLA CARDIOTECH GMBH) 19 May 1999 (1999-05-19) cited in the application the whole document	1
A	US 2001/000528 A1 (CHO PETER) 26 April 2001 (2001-04-26) paragraphs '0029!', '0037!'; figure 1	1
A	FR 2 788 223 A (BARTOLOME FRANCIS) 13 July 2000 (2000-07-13) page 1, line 9 - line 18	1
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

23 November 2004

Date of mailing of the international search report

30/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lakkis, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/008321

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 445 782 A (MISUZU IND CORP ; YAMAZAKI KENJI (JP)) 11 September 1991 (1991-09-11) column 4, line 40 - line 44; figure 1 -----	1
A	WO 01/83016 A (LIBRA MEDICAL SYSTEMS INC) 8 November 2001 (2001-11-08) page 27, line 28 - line 30; figure 17 -----	2-4

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/008321

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5061256	A	29-10-1991	AU 2807389 A WO 8905164 A1	05-07-1989 15-06-1989
EP 0916359	A	19-05-1999	US 6007478 A AT 276784 T CA 2254006 A1 DE 69826411 D1 EP 0916359 A1 JP 11239617 A	28-12-1999 15-10-2004 13-05-1999 28-10-2004 19-05-1999 07-09-1999
US 2001000528	A1	26-04-2001	US 6186981 B1 WO 0056382 A1	13-02-2001 28-09-2000
FR 2788223	A	13-07-2000	FR 2788222 A1 FR 2788223 A1 AU 3052700 A EP 1144020 A1 WO 0041742 A1 JP 2002534222 T	13-07-2000 13-07-2000 01-08-2000 17-10-2001 20-07-2000 15-10-2002
EP 0445782	A	11-09-1991	JP 1913283 C JP 4126158 A JP 6036821 B AT 109664 T CA 2037622 A1 DE 69103295 D1 DE 69103295 T2 EP 0445782 A1 US 5147388 A US 5275580 A AU 638339 B2 AU 7922391 A	09-03-1995 27-04-1992 18-05-1994 15-08-1994 09-09-1991 15-09-1994 01-12-1994 11-09-1991 15-09-1992 04-01-1994 24-06-1993 06-02-1992
WO 0183016	A	08-11-2001	AU 5736801 A CA 2407938 A1 EP 1278563 A2 WO 0183016 A2 US 2002169413 A1 US 2004064090 A1 US 2004064091 A1	12-11-2001 08-11-2001 29-01-2003 08-11-2001 14-11-2002 01-04-2004 01-04-2004